

**Patent Number(s): JP56008431-A**

**Title:** Polyester prodn. - from terephthalic acid, ethylene glycol, an antimony, titanium, germanium, tin, zinc, or cobalt cpd. as catalyst and a rhenium cpd.

**Patent Assignee Name(s) and Code(s):** NIPPON ESTER CO LTD (NPEC-C)

**Derwent Primary Accession Number:** 1981-20317D [12]

**Patents Cited by Inventor:** 0

**Articles Cited by Inventor:** 0

**Patents Cited by Examiner:** 0

**Citing Patents:** 0

**Articles Cited by Examiner:** 0

**Abstract:**

Polyester is produced from (1) terephthalic acid or a bifunctional carboxylic acid comprising mainly terephthalic acid or an ester-forming deriv., (2) ethylene glycol or a glycol component comprising mainly ethylene glycol, (3) one or more cpds. selected from glycol-soluble cpds. of Sb, Ti, Ge, Sn, Zn and Co as catalyst, (4) glycol-soluble rhenium cpd. in an amt. of  $0.005 \times 10^4$  to  $0.1 \times 10^4$  mole to 1 mole of the acid component constituting the polyester.

(3) is e.g.  $\text{SbO}_3$ ,  $\text{Ti}(\text{OCH}_3)_4$ , ethylgermane, di-n-butyl tin diacetate, cobalt chloride,  $\text{ZnCO}_3$ . (4) is e.g. rhenium chloride, rhenium bromide. (3) and (4) are added to the reaction system at any time by the initial stage of the polycondensn.

High polymerisation degree polymers are produced in a short time without causing deposition of insoluble matter and deterioration of colour tone.

**International Patent Classification:** C08G-063/34

**Derwent Class:** A23 (Polyamides, polyesters, polycarbonates, alkyds)

**Derwent Manual Code(s):** A02-A06; A05-E04A

**Patent Details:**

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
JP56008431-A	28 Jan 1981		198112		

**Priority Application Information and Date:**

JP084220	03 Jul 1979
----------	-------------